

*A1* *Sub B1* 1. (Once Amended) A method for determining a level of dietary antioxidant in a liquid sample comprising the steps of:

providing a liquid sample containing dietary material or a biological fluid to be tested;

contacting the liquid sample with an aqueous solution of elemental iodine and an iodophor to form a mixture; and

measuring a change in a concentration of iodide ions in the mixture wherein the change corresponds to the level of dietary antioxidant in the dietary material or the biological fluid.

*A2* *Sub B2* 4. (Once Amended) A method for determining a level of dietary antioxidant in an aqueous liquid sample comprising the steps of:

providing an aqueous liquid sample containing dietary material or a biological fluid to be tested;

contacting the sample with an aqueous solution of elemental iodine and polyvinylpyrrolidone to form a mixture; and

measuring an increase in a concentration of iodide ions in the mixture by means of an iodide selective electrode wherein the increase corresponds to the level of dietary antioxidant in the dietary material or the biological fluid.